UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,472	09/23/2003	Ray W. Wood	029318-0976	9063
31049 ELAN DRUG	7590 12/12/2007 DELIVEDY DIC		EXAMINER	
ELAN DRUG DELIVERY, INC. C/O FOLEY & LARDNER LLP			HAGHIGHATIAN, MINA	
3000 K STREET, N.W. SUITE 500		ART UNIT	PAPER NUMBER	
	VASHINGTON, DC 20007-5109		1616	
			MAIL DATE	DELIVERY MODE
			12/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•	·					
	Application No.	Applicant(s)				
	10/667,472	WOOD ET AL.				
Office Action Summary	Examiner	Art Unit				
	Mina Haghighatian	1616				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period way reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 31 O	<u>ctober 2007</u> .					
, 						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims		,				
4)⊠ Claim(s) 10-22 and 24-26 is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>10-22 and 24-26</u> is/are rejected.						
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	r election requirement					
are subject to restriction and/o	Cicolon requirement.					
Application Papers						
9)☐ The specification is objected to by the Examine						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
11) The oath of declaration is objected to by the Ex	diffilier. Note the attached Office					
Priority under 35 U.S.C. § 119		•				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No.						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	Λ [] I.a.,	(DTO 412)				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	Paper No(s)/Mail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
Paper No(s)/Mail Date <u>10/31/07</u> .						

10/667,472 Art Unit: 1616

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114 was filed in this application after a decision by the <u>Board of Patent Appeals and Interferences</u>, but before the filing of a Notice of Appeal to the Court of Appeals for the Federal Circuit or the commencement of a civil action. Since this application is eligible for continued examination under 37 CFR 1.114 and the fee set forth in 37 CFR 1.17(e) has been timely paid, the appeal has been withdrawn pursuant to 37 CFR 1.114 and prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 10/31/07 has been entered.

Receipt is also acknowledged of an IDS filed on 10/31/07.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.

10/667,472 Art Unit: 1616

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 10-22 and 24-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liversidge et al (5,145,684) in view of Drug Information Handbook.

Liversidge et al teach dispersible particles consisting essentially of a crystalline drug substance having a surface modifier adsorbed on the surface thereof in an amount sufficient to maintain an effective average particle size of less than about 400 nm (see abstract and col. 1, lines 32-43). Liversidge discloses that the liquid media can be aqueous salt solutions, safflower oil and solvents such as ethanol, t-butanol, hexane and glycol. Suitable drugs include corticosteroids, such as steroid A. The surface modifiers can be selected from the group including non-ionic and anionic surfactants such as polyvinylpyrrolidone (see cols. 3-4).

Liversidge also discloses that the effective average particle size of less than 400 nm, or less than 100 nm is preferred. Also at least 99% of the particles have a particle size less than the effective average, eg. 400 nm (see col. 5, lines 26-40).

Liversidge teaches that the surface modifier can be present in an amount of 0.

1 to 90%, preferably 20-60% by weight based on the total weight of dry particles (col. 7, lines 15-20). Liversidge, while disclosing corticosteroids, such as steroid A as suitable active agents for nanoparticulate formulations, lacks specific disclosure on beclomethasone dipropionate.

10/667,472 Art Unit: 1616

Drug Information Handbook discloses beclomethasone dipropionate as a suitable active agent for formulations for delivery into lungs or nasal passages.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made, given the general formulations of Liversidge on formulations containing active agents including corticosteroids, to have looked in the art for other specific species of corticosteroids suitable for formation of compositions, as disclosed in Drug Information Handbook, with reasonable expectations of successfully preparing formulations comprising different active agents for treating different disorders. In other words, the claims would have been obvious because the substitution of one known element for another would have <u>yielded predictable results</u> to one of ordinary skill in the art at the time of the invention.

All claims are drawn to the same invention claimed earlier and are thus finally rejected on the same grounds and art of record in the previous Office Action. Applicants did not submit any amendments or arguments with the submission of the RCE and IDS on 10/31/07. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action in this case. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

10/667,472 Art Unit: 1616

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mina Haghighatian whose telephone number is 571-272-0615. The examiner can normally be reached on core office hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on 571-272-0646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

10/667,472 Art Unit: 1616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mina Haghighatían Patent Examiner December 10, 2007